Tampa Electric’s Cost-Effectiveness Inputs

for 2020-2029 DSM Goals Setting

**Line Losses and Outage Rate units**

Residential Line loss percentage 7.3 percent

Commercial/Industrial Line loss percentage 7.0 percent

Forced outage rate 3.4 percent

**Life & k factors units**

Generator economic life 25 years

T&D economic life 25 years

k factor for generation 1.5213

k factor for T&D 1.5213

**Utility & Customer costs units**

Utility cost escalation rate 2.4 percent

Customer equipment escalation rate 2.3 percent

Customer O&M escalation rate 2.3 percent

Utility discount rate 7.08 percent

Utility AFUDC rate 6.46 percent

Utility rebate/incentive escalation rate 0.0 percent

**Avoided generator, trans., & dist. Costs units**

Base year 2020

In-service year for avoided generating unit 2023

In-service year for avoided T&D 2021

Base year avoided generating unit cost $526.30/kW

Base year avoided transmission cost $34.90/kW

Base year distribution cost $82.37/kW

Gen., tran., & dist. cost escalation rate 2.4 percent

Generator fixed O&M cost $5.83/kW-yr

Generator fixed O&M escalation rate 2.4 percent

Transmission fixed O&M cost $2.78/kW-yr

Distribution fixed O&M cost $11.34/kW-yr

T&D fixed O&M escalation rate 2.4 percent

Avoided gen unit variable O&M costs 0.210cents/kWh

Generator variable O&M cost escalation rate 2.4 percent

Generator capacity factor 9.1 percent

Avoided generating unit fuel cost 3.75cents/kWh

Avoided gen unit fuel escalation rate 4.54 percent

Avoided purchase capacity cost per kW $0/kW-yr

Capacity cost escalation rate 0 percent